

Application No. 09/626,820
Response to Office Action

Customer No. 01933

Listing of Claims:

Claims 1-18 (Canceled).

19. (New) A management object process unit comprising:
a control processing section for performing a control of
selectively collecting a plurality of management objects from a
managed device; and

5 a memory section for storing management objects collected
from the managed device;

wherein the control processing section includes an object
managing section for:

10 (i) classifying the management objects into a first
type having a collection time that is shorter than a reference
collection time, and a second type having a collection time that
is not shorter than the reference collection time;

(ii) performing, in response to an object collection
request for a management object of the second type, a sequence
15 of: (a) collecting the management objects of the first type from
the managed device, (b) storing the collected management objects,
(c) collecting the management object of the requested second type
after the collection of the management objects of the first type,
and (d) transmitting the collected management object of the
20 second type; and

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(iii) performing, in response to an object collection request for a management object of the first type, a sequence of: (a) retrieving from the memory section the management object of the requested first type, and (b) transmitting the retrieved management object.

20. (New) A management object process unit comprising:
a control processing section for performing a control of selectively collecting a plurality of management objects from a managed device; and

5 a memory section for storing management objects collected from the managed device; and

wherein the control processing section includes an object managing section for:

10 (i) classifying the management objects into a first type having a collection time that is shorter than a reference collection time and having an access frequency that is higher than a reference frequency, and a second type having at least one of a collection time that is not shorter than the reference collection time and an access frequency that is not higher than the reference frequency;

(ii) performing, in response to an object collection request for a management object of the second type, a sequence of: (a) collecting the management objects of the first type from

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the managed device, (b) storing the collected management objects,
20 (c) collecting the management object of the requested second type
after the collection of the management objects of the first type,
and (d) transmitting the collected management object of the
second type; and

(iii) performing, in response to an object collection
25 request for a management object of the first type, a sequence of:
(a) retrieving from the memory section the management object of
the requested first type, and (b) transmitting the retrieved
management object.

21. (New) A management object process unit comprising:

a control processing section for performing a control of
selectively collecting a plurality of management objects from a
managed device; and

5 a memory section for storing management objects collected
from the managed device;

wherein the control processing section includes an object
managing section for:

(i) classifying the management objects into a first
10 type having a collection time that is shorter than a reference
collection time and having a value change frequency that is
higher than a reference frequency, and a second type having at
least one of a collection time that is not shorter than the

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reference collection time and a value change frequency that is
15 not higher than the reference frequency;

(ii) performing, in response to an object collection
request for a management object of the second type, a sequence
of: (a) collecting the management objects of the first type from
the managed device, (b) storing the collected management objects
20 in the memory section, (c) collecting the management object of
the requested second type after the collection of the management
objects of the first type, and (d) transmitting the collected
management object of the second type; and

(iii) performing, in response to an object collection
25 request for a management object of the first type, a sequence of:
(a) retrieving from the memory section the management object of
the requested first type, and (b) transmitting the retrieved
management object.

22. (New) A machine readable recording medium having a
program for a management object process recorded thereon, said
process comprising:

classifying the management objects into a first type having
5 a collection time that is shorter than a reference collection
time, and a second type having a collection time that is not
shorter than the reference collection time;

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performing, in response to an object collection request
for a management object of the second type, a sequence of:

- 10 (a) collecting the management objects of the first type from the
managed device, (b) storing the collected management objects,
(c) collecting the management object of the requested second type
after the collection of the management objects of the first type,
and (d) transmitting the collected management object of the
15 second type; and

- performing, in response to an object collection request for
a management object of the first type, a sequence of: (a)
retrieving from the memory section the management object of the
requested first type, and (b) transmitting the retrieved
20 management object.

23. (New) A machine readable recording medium having a
program for a management object process recorded thereon, said
process comprising:

- classifying the management objects into a first type having
5 a collection time that is shorter than a reference collection
time and having an access frequency that is higher than a
reference frequency, and a second type having at least one of a
collection time that is not shorter than the reference collection
time and an access frequency that is not higher than the
10 reference frequency;

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performing, in response to an object collection request
for a management object of the second type, a sequence of:

- (a) collecting the management objects of the first type from the
managed device, (b) storing the collected management objects,
15 (c) collecting the management object of the requested second type
after the collection of the management objects of the first type,
and (d) transmitting the collected management object of the
second type; and

- performing, in response to an object collection request for
20 a management object of the first type, a sequence of: (a)
retrieving from the memory section the management object of the
requested first type, and (b) transmitting the retrieved
management object.

24. (New) A machine readable recording medium having a
program for a management object process recorded thereon, said
process comprising:

- classifying the management objects into a first type having
5 a collection time that is shorter than a reference collection
time and having a value change frequency that is higher than a
reference frequency, and a second type having at least one of a
collection time that is not shorter than the reference collection
time and a value change frequency that is not higher than the
10 reference frequency;

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performing, in response to an object collection request
for a management object of the second type, a sequence of:

(a) collecting the management objects of the first type from the
managed device, (b) storing the collected management objects in
15 the memory section, (c) collecting the management object of the
requested second type after the collection of the management
objects of the first type, and (d) transmitting the collected
management object of the second type; and

performing, in response to an object collection request for
20 a management object of the first type, a sequence of:

(a) retrieving from the memory section the management object of
the requested first type, and (b) transmitting the retrieved
management object.